



1

SEQUENCE LISTING

<110> BLUME, ARTHUR, J.
GOLDSTEIN, NEIL
PILLUTA, RENUKA
HSIAO, KU-CHUAN
PRENDERGAST, JOHN

<120> METHODS OF IDENTIFYING THE ACTIVITY OF GENE PRODUCTS

<130> 2598-4004US1

<140> 09/852,455
<141> 2001-05-09

<150> 60/202,912
<151> 2000-05-09

<160> 81

<170> PatentIn Ver. 2.1

<210> 1
<211> 4
<212> PRT
<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: FLAG sequence

<400> 1

Asp Tyr Lys Asp
1

<210> 2

<211> 13

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: E-tag epitope

<400> 2

Gly Ala Pro Val Pro Tyr Pro Asp Pro Leu Glu Pro Arg
1 5 10

<210> 3

<211> 18

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
surrogate peptide

<400> 3
 Arg Lys Glu Met Gly Gly Gly Gly Pro Gly Trp Ser Glu Asn Leu
 1 5 10 15

Phe Gln

<210> 4
 <211> 7
 <212> PRT
 <213> Homo sapiens

<400> 4
 Trp Ser Glu Asn Leu Phe Gln
 1 5

<210> 5
 <211> 162
 <212> PRT
 <213> Homo sapiens

<400> 5
 Ile Tyr Pro Ser Gly Val Ile Gly Leu Val Pro His Leu Gly Asp Arg
 1 5 10 15

Glu Lys Arg Asp Ser Val Cys Pro Gln Gly Lys Tyr Ile His Pro Gln
 20 25 30

Asn Asn Ser Ile Cys Cys Thr Lys Cys His Lys Gly Thr Tyr Leu Tyr
 35 40 45

Asn Asp Cys Pro Gly Pro Gly Gln Asp Thr Asp Cys Arg Glu Cys Glu
 50 55 60

Ser Gly Ser Phe Thr Ala Ser Glu Asn His Leu Arg His Cys Leu Ser
 65 70 75 80

Cys Ser Lys Cys Arg Lys Glu Met Gly Gln Val Glu Ile Ser Ser Cys
 85 90 95

Thr Val Asp Arg Asp Thr Val Cys Gly Cys Arg Lys Asn Gln Tyr Arg
 100 105 110

His Tyr Trp Ser Glu Asn Leu Phe Gln Cys Phe Asn Cys Ser Leu Cys
 115 120 125

Leu Asn Gly Thr Val His Leu Ser Cys Gln Glu Lys Gln Asn Thr Val
 130 135 140

Cys Thr Cys His Ala Gly Phe Phe Leu Arg Glu Asn Glu Cys Val Ser
 145 150 155 160

Cys Ser

<210> 6
 <211> 171
 <212> PRT
 <213> Homo sapiens

<400> 6
 Leu Pro Gly Val Gly Leu Thr Pro Ser Ala Ala Gln Thr Ala Arg Gln
 1 5 10 15

His Pro Lys Met His Leu Ala His Ser Thr Leu Lys Pro Ala Ala His
 20 25 30

Leu Ile Gly Asp Pro Ser Lys Gln Asn Ser Leu Leu Trp Arg Ala Asn
 35 40 45

Thr Asp Arg Ala Phe Leu Gln Asp Gly Phe Ser Leu Ser Asn Asn Ser
 50 55 60

Leu Leu Val Pro Thr Ser Gly Ile Tyr Phe Val Tyr Ser Gln Val Val
 65 70 75 80

Phe Ser Gly Lys Ala Tyr Ser Pro Lys Ala Pro Ser Ser Pro Leu Tyr
 85 90 95

Leu Ala His Glu Val Gln Leu Phe Ser Ser Gln Tyr Pro Phe His Val
 100 105 110

Pro Leu Leu Ser Ser Gln Lys Met Val Tyr Pro Gly Leu Gln Glu Pro
 115 120 125

Trp Leu His Ser Met Tyr His Gly Ala Ala Phe Gln Leu Thr Gln Gly
 130 135 140

Asp Gln Leu Ser Thr His Thr Asp Gly Ile Pro His Leu Val Leu Ser
 145 150 155 160

Pro Ser Thr Val Phe Phe Gly Ala Phe Ala Leu
 165 170

<210> 7
 <211> 19
 <212> PRT
 <213> Homo sapiens

<400> 7
 Arg Lys Glu Met Gly Gly Gly Gly Gly Pro Gly Trp Ser Glu Asn
 1 5 10 15

Leu Phe Gln

<210> 8
 <211> 184
 <212> PRT
 <213> Homo sapiens

<400> 8
 Leu Pro Ala Gln Val Ala Phe Thr Pro Tyr Ala Pro Glu Pro Gly Ser
 1 5 10 15
 Thr Cys Arg Leu Arg Glu Tyr Tyr Asp Gln Thr Ala Gln Met Cys Cys
 20 25 30
 Ser Lys Cys Ser Pro Gly Gln His Ala Lys Val Phe Cys Thr Lys Thr
 35 40 45
 Ser Asp Thr Val Cys Asp Ser Cys Glu Asp Ser Thr Tyr Thr Gln Leu
 50 55 60
 Trp Asn Trp Val Pro Glu Cys Leu Ser Cys Gly Ser Arg Cys Ser Ser
 65 70 75 80
 Asp Gln Val Glu Thr Gln Ala Cys Thr Arg Glu Gln Asn Arg Ile Cys
 85 90 95
 Thr Cys Arg Pro Gly Trp Tyr Cys Ala Leu Ser Lys Gln Glu Gly Cys
 100 105 110
 Arg Leu Cys Ala Pro Leu Arg Lys Cys Arg Pro Gly Phe Gly Val Ala
 115 120 125
 Arg Pro Gly Thr Glu Thr Ser Asp Val Val Cys Lys Pro Cys Ala Pro
 130 135 140
 Gly Thr Phe Ser Asn Thr Thr Ser Ser Thr Asp Ile Cys Arg Pro His
 145 150 155 160
 Gln Ile Cys Asn Val Val Ala Ile Pro Gly Asn Ala Ser Arg Asp Ala
 165 170 175
 Val Cys Thr Ser Thr Ser Pro Thr
 180

<210> 9
 <211> 56
 <212> RNA
 <213> Artificial Sequence

 <220>
 <223> Description of Artificial Sequence: Synthetic
 biotinylated-RNA

 <400> 9
 aauugccagg acgaccgggu ccuuucuugg aucaacccgc ucaaugccug gagauu 56

<210> 10
 <211> 42
 <212> PRT
 <213> Homo sapiens

<400> 10
Glu Asp Leu Asp Asn Ile Gln Thr Pro Glu Ser Val Leu Leu Ser Ala
1 5 10 15

Val Ser Gly Glu Asp Thr Gln Asp Arg Thr Asp Arg Leu Leu Leu Thr
20 25 30

Pro Trp Val Lys Phe Leu Trp Glu Ser Tyr
35 40

<210> 11
<211> 5
<212> PRT
<213> Artificial Sequence

<220>
<221> MOD_RES
<222> (2)
<223> Any amino acid

<220>
<223> Description of Artificial Sequence: Consensus
sequence

<400> 11
Thr Xaa Arg Leu Leu
1 5

<210> 12
<211> 24
<212> PRT
<213> Hepatitis C virus

<400> 12
Thr Ser Gly Glu Ser Ser Gly Asp Arg Thr Arg Arg Val Leu Thr Ser
1 5 10 15

Ser Ser Ala Arg Thr Leu Pro Asn
20

<210> 13
<211> 35
<212> PRT
<213> Hepatitis C virus

<400> 13
Leu Leu Val Thr Gly Gln Phe Pro Ser Gln Leu Leu Leu Gly Gly Ala
1 5 10 15

Val Cys Gly Pro Ser Thr Pro Arg Leu Arg Thr Gly Leu Cys Arg Leu
20 25 30

Ser Gly Thr
35

<210> 14
<211> 40
<212> PRT
<213> Hepatitis C virus

<400> 14
Arg Arg Thr Cys Gly Asp Pro Ala Ala Met Leu Glu Arg Leu Ser Cys
1 5 10 15

Arg Ala Gly Asp Tyr Arg Gly Ala Ser His Thr Gly Arg Leu Leu Asn
20 25 30

Leu Arg Gly Met His Gln Tyr Pro
35 40

<210> 15
<211> 20
<212> PRT
<213> Hepatitis C virus

<400> 15
Phe Thr Thr Pro Arg His Leu Ser Gly Arg Thr Val Gln Met Met Arg
1 5 10 15

Asp Ser Thr Ser
20

<210> 16
<211> 15
<212> PRT
<213> Hepatitis C virus

<400> 16
Thr Ser Gly Glu Ser Ser Gly Asp Arg Thr Arg Arg Val Leu Thr
1 5 10 15

<210> 17
<211> 11
<212> PRT
<213> Hepatitis C virus

<400> 17
Ser Gly Glu Ser Ser Gly Asp Arg Thr Arg Arg
1 5 10

<210> 18
<211> 11
<212> PRT
<213> Gallus sp.

<400> 18
Ser Gly Ser Ser Ser Gly Gln Arg Thr Arg Lys
1 5 10

<210> 19
<211> 13
<212> PRT
<213> Hepatitis C virus

<400> 19
Ser Gly Glu Ser Ser Gly Asp Arg Thr Arg Arg Val Leu
1 5 10

<210> 20
<211> 13
<212> PRT
<213> Mus sp.

<400> 20
Ser Gly Glu Asp Thr Gln Asp Arg Thr Asp Arg Leu Leu
1 5 10

<210> 21
<211> 13
<212> PRT
<213> Hepatitis C virus

<400> 21
Gly Glu Ser Ser Gly Asp Arg Thr Arg Arg Val Leu Thr
1 5 10

<210> 22
<211> 13
<212> PRT
<213> Saccharomyces sp.

<400> 22
Gly Lys Ser Ser Gly Ser Ala Thr Lys Arg Gly Leu Thr
1 5 10

<210> 23
<211> 12
<212> PRT
<213> Hepatitis C virus

<400> 23
Ser Gly Glu Ser Ser Gly Asp Arg Thr Arg Arg Val
1 5 10

<210> 24
<211> 12
<212> PRT
<213> Treponema pallidum

<400> 24
Ala Gly Glu Ile Lys Gly Asp Arg Thr Pro Arg Ile
1 5 10

<210> 25
<211> 12
<212> PRT
<213> Streptomyces thermotolerans

<400> 25
Ser Gly Arg Ser Glu Ala Asp Arg Arg Arg Arg Val
1 5 10

<210> 26
<211> 13
<212> PRT
<213> Homo sapiens

<400> 26
Ser Gly Glu Asp Thr Gln Asp Arg Thr Asp Arg Leu Leu
1 5 10

<210> 27
<211> 14
<212> PRT
<213> Hepatitis C virus

<400> 27
Ser Gly Glu Ser Ser Gly Asp Arg Thr Arg Arg Val Leu Thr
1 5 10

<210> 28
<211> 14
<212> PRT
<213> Saccharomyces sp.

<400> 28
Ser Ser Asn Asn Ser Gly Asp Asp Ser Asn Arg Val Leu Thr
1 5 10

<210> 29
<211> 18
<212> PRT
<213> Hepatitis C virus

<400> 29
Thr Ser Gly Glu Ser Ser Gly Asp Arg Thr Arg Arg Val Leu Thr Ser
1 5 10 15

Ser Ser

<210> 30
<211> 15
<212> PRT
<213> Hepatitis C virus

<400> 30
Gly Glu Ser Ser Gly Asp Arg Thr Arg Arg Val Leu Thr Ser Ser
1 5 10 15

<210> 31
<211> 15
<212> PRT
<213> Rattus sp.

<400> 31
Gly Glu Leu Gly Gly Pro Arg Thr Ala Lys Leu Leu Thr Ser Ser
1 5 10 15

<210> 32
<211> 15
<212> PRT
<213> Mus sp.

<400> 32
Gly Glu Leu Gly Gly Pro Arg Thr Ala Lys Leu Leu Thr Ser Ser
1 5 10 15

<210> 33
<211> 14
<212> PRT
<213> Hepatitis C virus

<400> 33
Gly Glu Ser Ser Gly Asp Arg Thr Arg Arg Val Leu Thr Ser
1 5 10

<210> 34
<211> 14
<212> PRT
<213> Bos taurus

<400> 34
Gly Glu Leu Gly Gly Pro Arg Thr Ala Lys Leu Leu Thr Ser
1 5 10

<210> 35
<211> 14
<212> PRT
<213> Cavia porcellus

<400> 35
Gly Glu Leu Gly Gly Pro Arg Thr Ala Lys Leu Leu Thr Ser
1 5 10

<210> 36
<211> 14
<212> PRT
<213> Homo sapiens

<400> 36
Gly Glu Leu Gly Gly Pro Arg Thr Ala Lys Leu Leu Thr Ser
1 5 10

<210> 37
<211> 14
<212> PRT
<213> Canis familiaris

<400> 37
Gly Glu Leu Gly Gly Pro Arg Thr Ala Lys Leu Leu Thr Ser
1 5 10

<210> 38
<211> 14
<212> PRT
<213> Felis catus

<400> 38
Gly Glu Leu Gly Gly Pro Arg Thr Ala Lys Leu Leu Thr Ser
1 5 10

<210> 39
<211> 14
<212> PRT
<213> Hepatitis C virus

<400> 39
Ser Ser Gly Asp Arg Thr Arg Arg Val Leu Thr Ser Ser Ser
1 5 10

<210> 40
<211> 14
<212> PRT
<213> Homo sapiens

<400> 40
Ser Ser Gly Asn Gln Ser Val Arg Leu Val Thr Ser Ser Ser
1 5 10

<210> 41
<211> 16
<212> PRT
<213> Hepatitis C virus

<400> 41
Gly Glu Ser Ser Gly Asp Arg Thr Arg Arg Val Leu Thr Ser Ser Ser
1 5 10 15

<210> 42
<211> 16
<212> PRT
<213> Mus sp.

<400> 42
Gly Asp Ser Ser Gly Ser Arg Gly Arg Ser Ser Ala Thr Phe Ser Ser
1 5 10 15

<210> 43
<211> 18
<212> PRT
<213> Hepatitis C virus

<400> 43
Thr Ser Gly Glu Ser Ser Gly Asp Arg Thr Arg Arg Val Leu Thr Ser
1 5 10 15
Ser Ser

<210> 44
<211> 18
<212> PRT
<213> Homo sapiens

<400> 44
Thr Lys Gly Gln Pro Ser Glu Gly Glu Ser Arg Asn Val Leu Thr Glu
1 5 10 15

Ser Ala

<210> 45
<211> 11
<212> PRT
<213> Mus sp.

<400> 45
Ser Trp Ser Ser Ser Ser Asp Arg Thr Arg Arg
1 5 10

<210> 46
<211> 11
<212> PRT
<213> Homo sapiens

<400> 46
Ser Trp Ser Ser Ser Asp Arg Thr Arg Arg
1 5 10

<210> 47
<211> 7
<212> PRT
<213> Hepatitis C virus

<220>
<221> MOD_RES
<222> (4)
<223> Any amino acid

<400> 47
Asp Arg Thr Xaa Arg Leu Leu
1 5

<210> 48
<211> 7
<212> PRT
<213> Homo sapiens

<400> 48
Asp Arg Thr Asp Arg Leu Leu
1 5

<210> 49
<211> 7
<212> PRT
<213> Rhodococcus fascians

<400> 49
Asp Arg Thr Ala Arg Leu Leu
1 5

<210> 50
<211> 7
<212> PRT
<213> Mus musculus

<400> 50
Asp Arg Thr Asp Arg Leu Leu
1 5

<210> 51
<211> 20
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 51
Arg Gly Leu Phe Thr Glu Trp Phe Arg Gly Gly Ser Trp Ser Asn Tyr
1 5 10 15

Arg Val Thr Ser
20

<210> 52
<211> 40
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
peptide

<400> 52
Thr Asp Gly Gly Arg Ser Val Ile Ser Asp Asn Val Arg Gly Gly Ser
1 5 10 15

Arg Leu Trp Leu Trp Ile Arg His Gly Ser Trp Ser Gln Ala Trp Gly
20 25 30

Pro Gln Asp Ala Trp Ser Ser Lys
35 40

<210> 53
<211> 40
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
peptide

<400> 53
Arg Val Ser Ser Ala Gln Pro Gly Cys Thr Ser Arg Val Arg Phe Arg
1 5 10 15

Cys Pro Arg Gly Gly Leu Leu Phe Asn Gly Val Thr Ser Thr Asn Pro
20 25 30

Lys Thr Gly Leu Ser Asn Ala Gln
35 40

<210> 54
<211> 35
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
peptide

<400> 54
Val Val Tyr Val Gly Val Leu Ser Tyr Trp Pro His Leu Ser Gly Gly
1 5 10 15
Gly Arg Leu Gln Val Arg Cys Leu Ile Gly Arg Gly Gly Phe Gly Cys
20 25 30
Arg Gly Gly
35

<210> 55
<211> 20
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
peptide

<400> 55
Trp Pro Pro Gly Arg Thr Leu Ser Asp Leu Ile Arg Gly Gly Ala Gly
1 5 10 15
Ala Arg Gly Met
20

<210> 56
<211> 20
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
peptide

<400> 56
Ser Ser Gly Gly Leu His Arg Trp Ser Ala Leu Arg Gly Gly His Gly
1 5 10 15
His Gly Leu Ala
20

<210> 57
<211> 40
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
peptide

<400> 57
Ala Met Arg Leu Lys Pro Ile Ala Phe Lys Gly Pro Arg Ala Gly Ala
1 5 10 15

Gly Trp Val Glu Val Gln Pro Cys Phe Ala Ala Phe Arg Ala Ala Cys
20 25 30

Thr Arg Gly Gly Ser His His His
35 40

<210> 58
<211> 40
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
peptide

<400> 58
Leu His Ala Gly Trp Asp Val Thr Ala Pro Arg Arg Ala Cys Lys Gly
1 5 10 15

Ala Gln Gly Pro Gly Leu His Gly Arg Phe Tyr Cys His Arg Gly Gly
20 25 30

Leu Cys Ser Gly Leu Gly Arg Cys
35 40

<210> 59
<211> 40
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
peptide

<400> 59
Asp Glu Gln Ser Ser Leu Lys Gly Lys Leu Arg Gly Ala Leu Val Arg
1 5 10 15

Leu Gly Met Gly His Ala Met Pro His Arg Gly Gly Val Trp Pro Ser
20 25 30

Thr Gly Arg Pro Ser Lys Gln Gly
35 40

<210> 60
<211> 40
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
peptide

<400> 60
Trp Thr Pro Arg His Gly Pro Met Arg Cys Trp Arg His Gln Ser Val
1. 5 10 15

Phe Pro Val Gly Ala Gly Pro His Trp Ala Leu Trp Pro Ile Lys Gly
20 25 30

Pro Arg Gly Gly Arg Thr Ala Cys
35 40

<210> 61
<211> 40
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
peptide

<400> 61
Arg Lys Thr Gly Ser Asn Ile Trp Leu Pro Leu Tyr His Lys Val Cys
1 5 10 15

Pro Ala Ser Thr Arg Ala Gly Asn Gly Arg Gly Ser Arg Phe Leu
20 25 30

Trp Gly Ser Met Gln Thr Asn Cys
35 40

<210> 62
<211> 40
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
peptide

<400> 62
Arg Leu Gln Arg Arg Gly Gly Ala Val Ala Val Val Trp Val Gly
1 5 10 15

Phe Gly Val Gly Leu Leu Trp Gly Arg Leu Leu Leu Ile Ile Leu Gly
20 25 30

Trp Val Leu Met Trp Phe Leu Ser
35 40

<210> 63
<211> 39
<212> PRT
<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic peptide

<400> 63

Gln His Ser Glu His Gly Gly Thr Glu Trp Arg Lys Arg Gly Gly Met
1 5 10 15Ala Phe Ala Ala Ser Phe Leu Cys Met Arg Asp Ser Tyr Arg Thr Thr
20 25 30Arg Leu Arg Ser Leu Leu Gly
35

<210> 64

<211> 38

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic peptide

<400> 64

Gly Thr Arg His Val Ile Asn Arg Val Arg Asp Ser Ser Gly Val Pro
1 5 10 15Cys Lys Arg Phe Gly Gly Leu Gln Phe Ser Gln Met Gly Lys Cys Thr
20 25 30Ile Pro Arg Gly Gly Ala
35

<210> 65

<211> 40

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic peptide

<400> 65

Val Leu Arg Gly Gly Ser Val Gly Lys Gly Ser Leu Met Trp Cys Gln
1 5 10 15Glu Val Asp Trp Arg Thr Gly Gly Pro Arg Ser Asn Leu Trp Gly Leu
20 25 30Trp Asn Gly Arg Gln Pro Pro Lys
35 40

<210> 66

<211> 9

<212> PRT
<213> Artificial Sequence

<220>
<221> MOD_RES
<222> (4)..(5)
<223> Any amino acid

<220>
<221> MOD_RES
<222> (7)..(8)
<223> Any amino acid

<220>
<223> Description of Artificial Sequence: RNA-binding motif

<400> 66
Val Ile Gly Xaa Xaa Gly Xaa Xaa Phe
1 5

<210> 67
<211> 20
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 67
Gly Val Ile Gly Gly Arg Gly Leu Leu Phe Pro Leu Ser Gly Phe Leu
1 5 10 15

His Gln His Arg
20

<210> 68
<211> 13
<212> PRT
<213> Artificial Sequence

<220>
<221> MOD_RES
<222> (2)
<223> Any amino acid

<220>
<223> Description of Artificial Sequence: Consensus sequence

<400> 68
Gly Xaa Ala Val Val Phe Leu Asp Arg Trp Gly Asn Pro
1 5 10

<210> 69
<211> 25
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
peptide binder to Tie-1

<400> 69
Ser Leu Trp Gly Cys Ser Gly Arg Ala Val Leu Phe Leu Asp Ser Val
1 5 10 15
Gly Asn Pro Thr Gly Thr Val Arg Cys
20 25

<210> 70
<211> 20
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
peptide binder to Tie-1

<400> 70
Arg Arg Val Asp Ala Gly Gly Ala Val Val Tyr Leu Asp Arg Trp Gly
1 5 10 15
Asn Val Ser Val
20

<210> 71
<211> 20
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
peptide binder to Tie-1

<400> 71
Val Val Phe Leu Asp Arg Trp Gly Asn Pro Gln Tyr Leu Gly Val Lys
1 5 10 15
Ala Ser Gly Gly
20

<210> 72
<211> 40
<212> PRT
<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
peptide binder to Tie-1

<400> 72

Gly Pro Phe Ser Trp Leu Phe Glu Thr Glu Trp Gly Asn Pro Lys Thr
1 5 10 15Val Pro Phe Gly Ala Asp Arg Trp Asn Arg His Gly Arg Trp Asp Pro
20 25 30Gly Pro Val Ser Asp Tyr Gly Thr
35 40

<210> 73

<211> 20

<212> PRT

<213> Hepatitis C virus

<400> 73

Arg Arg Val Asp Ala Gly Gly Ala Val Val Tyr Leu Asp Arg Trp Gly
1 5 10 15Asn Val Ser Val
20

<210> 74

<211> 18

<212> PRT

<213> Hepatitis C virus

<400> 74

Arg Val Asp Ala Gly Gly Ala Val Val Tyr Leu Asp Arg Trp Gly Asn
1 5 10 15

Val Ser

<210> 75

<211> 25

<212> PRT

<213> Homo sapiens

<400> 75

Arg Gly Asp Ser Gly Gly Ala Leu Val Phe Leu Asp Ser Glu Thr Glu
1 5 10 15Arg Trp Phe Val Gly Gly Ile Val Ser
20 25

<210> 76

<211> 24

<212> DNA

<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Primer

<400> 76
ggtcggcctc tggagtatgg tctg

24

<210> 77
<211> 24
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Primer

<400> 77
tccttgaggc agcttaagtc agag

24

<210> 78
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Primer

<400> 78
ggagcagcga tgcgaccctc

20

<210> 79
<211> 25
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Primer

<400> 79
ggtcctgggt atcgaagag tctgg

25

<210> 80
<211> 30
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Primer

<400> 80
gcgctgctag ccgaaggcgc cacatcggtc

30

<210> 81
<211> 34

<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Primer

<400> 81
gctgctgcta gcgatgcaca ccagggttaa aagg